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IN THE CLAIMS:

Please cancel claims 18, 19, and 37-39 without prejudice or disclaimer and add the following new claims:

40. A purified polypeptide having the amino acid sequence of at least one of the polypeptides selected from the group consisting of UreE, UreF, UreG, UreH, and UreI, as shown in Figure 4 (SEQ. ID NOS: 4-7 and 3, respectively), or a fragment thereof.

²
~~41.~~ The purified polypeptide of claim ~~40~~, wherein said polypeptide is UreE.

³
~~42.~~ The purified polypeptide of claim ~~40~~, wherein said polypeptide is UreF.

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~~43.~~ The purified polypeptide of claim ~~40~~, wherein said polypeptide is UreG.

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~~44.~~ The purified polypeptide of claim ~~40~~, wherein said polypeptide is UreH.

⁶
~~45.~~ The purified polypeptide of claim ~~40~~, wherein said polypeptide is UreI.

46. A purified polypeptide having an amino acid sequence expressed by a gene selected from the group consisting of ureE, ureF, ureG, ureH, and ureI (SEQ ID NO:1) of H. pylori, or a mutant thereof.

47. The purified polypeptide of claim 46, wherein said gene is ureE (SEQ ID NO:1) or a mutant thereof.

48. The purified polypeptide of claim 46, wherein said gene is ureF (SEQ ID NO:1) or a mutant thereof.

49. The purified polypeptide of claim 46, wherein said gene is ureG (SEQ ID NO:1) or a mutant thereof.

50. The purified polypeptide of claim 46, wherein said gene is ureH (SEQ ID NO:1) or a mutant thereof.

51. The purified polypeptide of claim 46, wherein said gene is ureI (SEQ ID NO:1) or a mutant thereof.

¹
52. A purified polypeptide having the following amino acid sequence:

Ala Lys Ile Cys Tyr Glu Ile Gly Asn Arg His₁ (SEQ ID NO:9)

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53. A purified antibody, which binds to the polypeptide according to any one of claims

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~~40-45.~~
54. A purified antibody, which binds to the polypeptide according to any one of claims

^{46-51.}

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55. A purified antibody, which binds to the polypeptide according to claim 52.

56. A composition comprising the antibody of claim 53 and a pharmaceutically acceptable carrier.

57. A composition comprising the antibody of claim 54 and a pharmaceutically acceptable carrier.

58. A composition comprising the antibody of claim 55 and a pharmaceutically acceptable carrier.

59. A composition comprising the polypeptide of any one of claims 40-45 and a pharmaceutically acceptable carrier.

^{sub 40-45}
60. A composition comprising the polypeptide of any one of claims 46-51 and a pharmaceutically acceptable carrier.